

From jgillespie at porchlight.ca Sun Feb 1 10:26:21 2015
From: jgillespie at porchlight.ca (J Gillespie)
Date: Sun, 1 Feb 2015 10:26:21 -0500
Subject: [BoatAnchors] Technical Radio LRR-6
Message-ID: <CB51A8C38F6946D690615430275F9A00@xpuser716b2b38>

Anyone have information: ie schamatics or manuals for one of these "Technical Radio" or TecRad LRR-6 receivers

thanks John

From arc5 at ix.netcom.com Sun Feb 1 14:22:56 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 1 Feb 2015 13:22:56 -0600
Subject: [BoatAnchors] BC-375: STABLE AM QSO on 7160 KC
Message-ID: <7ACC234442A94192ABACC2C00916AF54@DaddyPC>

Well.... very close to it :-D

Still using the 211s for now.
Just finished a pleasant AM QSO on 7160 KC with Bill, K5GCW using the BC-375 at 50 Watts on the dynamotor. I didn't allow the rig 30 mins to warm-up, so did have to "chase" the freq for about a KC during the QSO, but tests yesterday say it would have remained "still" with proper warm-up.
Only very slight Fming. Unless someone is committing the unrightousness of using an unholy product detector in an AM QSO, they wouldn't know.
I pay no heed to such blasphemers.

The non-destructive change I made may provide a key insight into why the stock 375 TU-8 tuning unit drifts so badly on 40 meters. It may NOT be thermal changes in the structure of the 211 tubes. It may be thermal changes in the Osc. tank coil components, because removing the DC current from the M0 tank settled it right down. The tuning caps are already thermo-stabilized and don't carry DC current in any event.

Leveraging the experiance stablizing the BC-230 on 40 Meters, I changed the 211 M0 circuit from Series-Feed to Shunt-Feed. This requires a couple of simple, reversable changes in the TU-8 tuning drawer. No changes in the transmitter main chassis are needed. One does need a good, hot soldering iron or small propane hand torch.

The big buss wires take a lot of heat to move them.
I used this little Bernzomatic "micro torch."
<http://www.bernzomatic.com/item.html?id=43>

Here is the original BC-375 Master Oscillator circuit, showing the series-fed B+. Note that the connection point on the OSC tank coil (PVF), while at 1000V DC, is at RF ground by the plate bypass cap, BP.
<http://home.netcom.com/~arc5/SCR-287/BC375A.jpg>

I eliminated about 100 mA of DC current through the MO tank circuit by changing the plate circuit to shunt-feed. I removed the B+ from the tank coil, bypassed this point to RF ground and feed B+ to the OSC tube through a plate choke.
<http://home.netcom.com/~arc5/SCR-287/BC375B.jpg>

The big problem was finding something good to use for a plate choke, since I don't have a "normal" one. This point can carry as much as 100 mA, so one of the chokes like those used in the grid circuit will cook-off in a hurry. I tried winding an RF choke on a ferrite "noise" toroid core, but the core material overheated quickly. I finally used a big Detector coil salvaged from a dead RAK receiver and shoe-horned it into the room in the rear of the tuning drawer. It works fine.
Can you suggest a better plate choke?

I don't know for sure why this is so much more stable than the "stock" version, which will drift off and away after key-down. It just is. Maybe IR losses in the coil cause heat? A fraction of a degree will expand the wire and the core enough to send the osc. wandering. Thoughts?

Some important things for getting the BC-375/-191 stable on 40 meters:

1. Solid power supply that will not sag at 350 mils.
2. Don't overmodulate.
3. Neutralization is even more "touchy" than on 80. Get your favorite beverage, gather some patience and you will eventually get it "right." Even a couple of millimeters off makes a difference.
4. Keep the power down. 50 Watts is better-behaved than 75 Watts and makes no difference that matters on the receiving end.

More work to be done later.
GL OM ES 73 DE Dave AB5S

P.S. Please let me know if the BC-375 work is of interest to you. It takes some time to do the writing, editing and graphics for these and I don't want to waste it if I'm just "preaching to empty pews."

From nf6x at nf6x.net Sun Feb 1 16:26:46 2015
From: nf6x at nf6x.net (Mark J. Blair)
Date: Sun, 1 Feb 2015 13:26:46 -0800
Subject: [BoatAnchors] R-390A hoarding
In-Reply-To: <20150128124312.XZVCJ.248798.root@cdptpa-web02>
References: <20150128124312.XZVCJ.248798.root@cdptpa-web02>
Message-ID: <AD61D2ED-C677-4DEC-9ECB-66D71467BF1C@nf6x.net>

> On Jan 28, 2015, at 04:43, Russ Dworakowski WB3FAU via BoatAnchors <boatanchors@theporch.com> wrote:

>

> These rigs have a habit of showing up in large amounts. I know at least a few guys who have 6 or more. A friend bought 30 of them at an estate sale. I have 4 R390As and 2 R390s and others. I have a receiver addiction, but these are fun to work on. 73s Russ.

I must be a light-weight... I only have two R390As! :)

--

Mark J. Blair, NF6X <nf6x at nf6x.net>
<http://www.nf6x.net/>

From wwatson5 at sbcglobal.net Sun Feb 1 18:00:49 2015
From: wwatson5 at sbcglobal.net (William Watson)
Date: Sun, 1 Feb 2015 15:00:49 -0800
Subject: [BoatAnchors] Hammarlund BC-779, WRL Globe Champion 300A
Message-ID: <1422831649.23437.YahooMailNeo@web181202.mail.ne1.yahoo.com>

I have a BC-799 w/o power supply looks pretty clean, meter may not work for \$100 pick up in Edmond, OK.

I also have a WRL Globe Champion, looks good inside, dial may need a little work, pick up in Edmond for \$200.

W5wbr

From arc5 at ix.netcom.com Mon Feb 2 07:37:12 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Mon, 2 Feb 2015 06:37:12 -0600
Subject: [BoatAnchors] Calling Smart People: Class D Transmitter
In-Reply-To: <8D20CB264E8534E-1BF8-9AEB@webmail-va208.sysops.aol.com>
References:
<CE521972BB054FC4A81131DE6AD61C56@DaddyPC><3C63A8D14B6C4D158C1DD71922837BF0@BrianPC>
<8D20CB264E8534E-1BF8-9AEB@webmail-va208.sysops.aol.com>
Message-ID: <AB3B52813601409B98882AF5E200BD73@DaddyPC>

(yes I promise it's boatanchor- working on a driver)

Re: Driving the MOSFET Hi-C inputs.

What do ya'll think of the new class of devices specifically designed to drive MOSFETs?

Here's an example of one that can do 360 degrees in 15 ns and stay "square" while driving a 3000 pFd load:

<http://cds.linear.com/docs/en/datasheet/4449fa.pdf>

From spr at earthlink.net Fri Feb 6 11:46:44 2015
From: spr at earthlink.net (Scott Robinson)
Date: Fri, 06 Feb 2015 08:46:44 -0800
Subject: [BoatAnchors] Radio Shack files for bankruptcy
Message-ID: <54D4EFF4.1060506@earthlink.net>

...but Sprint wants to buy many of the stores and still sell RS stuff along with the cell phones.

So long as the drawers with parts in them remain, I'm good. My local store says that stuff sells pretty well, too.

Sigh...

Scott

From garygarlic at earthlink.net Fri Feb 6 15:45:27 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Fri, 06 Feb 2015 15:45:27 -0500
Subject: [BoatAnchors] Radio Shack files for bankruptcy
In-Reply-To: <54D4EFF4.1060506@earthlink.net>

References: <54D4EFF4.1060506@earthlink.net>
Message-ID: <6s9adahk195sio1aeot1tu4vsfniocrm6o@4ax.com>

On Fri, 06 Feb 2015 08:46:44 -0800, you wrote:

>So long as the drawers with parts in them remain, I'm good. My local
>store says that stuff sells pretty well, too.

Any local store I've checked has gotten rid of their parts to make space
for more cell phones/accessories. Oh, the ignominy of having to mail order
a few 1-ohm bigwatt resistors to test a power supply!

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

From gumbear at pacbell.net Fri Feb 6 16:14:42 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 6 Feb 2015 13:14:42 -0800
Subject: [BoatAnchors] Radio Shack files for bankruptcy
In-Reply-To: <6s9adahk195sio1aeot1tu4vsfniocrm6o@4ax.com>
References: <54D4EFF4.1060506@earthlink.net>
<6s9adahk195sio1aeot1tu4vsfniocrm6o@4ax.com>
Message-ID: <6C36B2A729C148F282AA311833170A85@KB6NAX>

>Oh, the ignominy of having to mail order
a few 1-ohm bigwatt resistors to test a power supply!

To quote a well known sage, "It's the economy, stupid!" It won't be long
before you'll have to order your 1 ohm resistors from China along with the
fuses you need to get stuff up and running again. Have you checked the
prices of fuses at Ace hardware lately?

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From spr at earthlink.net Fri Feb 6 18:16:28 2015
From: spr at earthlink.net (Scott Robinson)

Date: Fri, 06 Feb 2015 15:16:28 -0800
Subject: [BoatAnchors] Radio Shack files for bankruptcy
In-Reply-To: <6C36B2A729C148F282AA311833170A85@KB6NAX>
References: <54D4EFF4.1060506@earthlink.net>
<6s9adahk195sio1aeot1tu4vsfniocrm6o@4ax.com>
<6C36B2A729C148F282AA311833170A85@KB6NAX>
Message-ID: <54D54B4C.2020806@earthlink.net>

Yes, but at least you can get them there!

/scott

On 2/6/15 1:14 PM, Arden Allen via BoatAnchors wrote:

>>Oh, the ignominy of having to mail order
> a few 1-ohm bigwatt resistors to test a power supply!
>
> To quote a well known sage, "It's the economy, stupid!" It won't be
> long before you'll have to order your 1 ohm resistors from China along
> with the fuses you need to get stuff up and running again. Have you
> checked the prices of fuses at Ace hardware lately?
>
> Arden Allen
> KB6NAX
>
> He who is cruel to animals becomes
> hard also in his dealings with men.
> We can judge the heart of a man by
> his treatment of animals.
> ?Immanuel Kant
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From garygarlic at earthlink.net Sat Feb 7 09:18:12 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Sat, 07 Feb 2015 09:18:12 -0500
Subject: [BoatAnchors] Interlocked coax switches?
Message-ID: <0b7cda9kes6hk8cpcdke82115tmq81pq73@4ax.com>

I'm looking for a 2 or more position coax switch that has auxiliary contacts to control power or keying lines, so I can switch an antenna between rigs without worrying about accidentally keying the wrong one. (Not all are boatanchor-qualified, but one is old and heavy...) The alternative, I guess, is a Dow-Key relay with an outboard relay. I've

already done something like that to switch the Viking KW and/or dummy load inline.

I think I've mentioned before: A 1940s RCA ribbon mike to a Kenwood TS-590 to a Johnson Desk Pedestal KW. Now _there_s culture clash for you!

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

From garygarlic at earthlink.net Sat Feb 7 09:51:24 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Sat, 07 Feb 2015 09:51:24 -0500
Subject: [BoatAnchors] Schematic wanted: Tenma 72-035 power supply
Message-ID: <tb9cda1s8183cu2sm2jnu15oeqjt3nur3e@4ax.com>

Well it's sand-state, but heavy and old enough to qualify. Does anybody have a diagram for this? I just refurbished the newer cousin of this (I do have that schematic) and several little PC carbon trimpots were open, plus the electrolytics that weren't. This one actually has a fan on the heat sink and was built before we figured out how to transistorize iron and generate birdies all in one swell foop!

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

From charlesmorris800 at centurytel.net Fri Feb 6 16:55:54 2015
From: charlesmorris800 at centurytel.net (Charles)
Date: Fri, 6 Feb 2015 15:55:54 -0600
Subject: [BoatAnchors] ARC-5 receiver bottom plate wanted
Message-ID: <CDF7AD44B8F7403B9EEFD62D936BE98B@CharlesHPLaptop>

I scored a clean Navy 7-9.1 MHz Command Set (?ARC-5?) receiver at a flea market the other day for \$12 complete with tubes, dynamotor and tuning knob. Just like my first Novice receiver that I got at the Gaithersburg MD hamfest in '78, (that one was NOS for \$5). I keep buying them because they're cute, and selling them because they're not selective and tune too fast

Got it home, cleaned and regreased the dynamotor bearings (which probably hadn't been touched since Aug. 1943), freed up a stuck brush, and it noisily generated HV.

A closer look inside, though, showed that someone had rewired the filaments for 12 volts and fortunately used the original wires, so I was able to put them back easily.

One small resistor had been broken, probably because the bottom plate is missing

and something hit it... anyway after replacing that, and checking that all tube filaments are good, it worked!

After IF alignment, which was off quite a bit, adding the 2nd IF regeneration mod (gimmick feedback and cathode gain pot), Mike WU2D's single crystal filter mod (and some additional matching networks), and of course the little "front panel" with a gain control, BFO switch and phone jack, it works quite nicely.

Anyhow, does someone have a spare bottom plate?

I also got a tubeless, coverless matching ARC-5 transmitter for \$5. It's now running with a homebrew screen modulator too!

So I am also looking for a black wrinkle cover (and a bottom plate) for it.

thanks for any help.

Charles
WB3JOK/0

From navy.radio at gmail.com Sat Feb 7 20:35:59 2015
From: navy.radio at gmail.com (Nick England)
Date: Sat, 7 Feb 2015 20:35:59 -0500
Subject: [BoatAnchors] Richmond VA hamfest photos 2/7/15
Message-ID: <CAB55hNf1au08AyS_SJsLPhq7=ZC1daQpahbFWZ0KBpc6VbLdBw@mail.gmail.com>

<http://www.virhistory.com/ham/rich-15.htm>

pretty good selection - fair amount of Drake, Heath, Hammarlund, Hallicrafters.

Some S-line, but only St James Gray was a 32V-3

Not much military - one R-390A (unsold), one TCS rcvr (sold), one BC-348 (?)

Most of the usual NC/VA/MD boatanchorites were there - please chime in with your own observations...

Cheers,
Nick England K4NYW
www.navy-radio.com

From johnmb at nc.rr.com Sun Feb 8 08:06:47 2015
From: johnmb at nc.rr.com (john)
Date: Sun, 08 Feb 2015 08:06:47 -0500
Subject: [BoatAnchors] Richmond VA hamfest photos 2/7/15
In-Reply-To: <CAB55hNf1au08AyS_SJsLPhq7=ZC1daQpahbFWZ0KBpc6VbLdBw@mail.gmail.com>
References: <CAB55hNf1au08AyS_SJsLPhq7=ZC1daQpahbFWZ0KBpc6VbLdBw@mail.gmail.com>

Message-ID: <6.2.1.2.2.20150208080536.049cbbf0@pop-server.nc.rr.com>

At 08:35 PM 2/7/2015, Nick England via BoatAnchors wrote:
><http://www.virhistory.com/ham/rich-15.htm>

Thanks Nick,

Nice to see the vintage computer stuff too.... great pix as always ,
thanks for taking the time to share them

John K5MO

This email is free from viruses and malware because avast! Antivirus protection is active.
<http://www.avast.com>

From wb3fau55 at neo.rr.com Sun Feb 8 10:43:49 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sun, 8 Feb 2015 10:43:49 -0500
Subject: [BoatAnchors] Richmond
Message-ID: <20150208154349.BGNPP.62487.root@cdptpa-web03>

Thank you, Nick, for the great pictures! I need to get there- 73 Russ.

From jerry7proc at yahoo.com Sun Feb 8 11:42:58 2015
From: jerry7proc at yahoo.com (Jerry Proc)
Date: Sun, 8 Feb 2015 16:42:58 +0000 (UTC)
Subject: [BoatAnchors] 1960 Aircraft Radio Catalog
Message-ID: <1294882798.937663.1423413778981.JavaMail.yahoo@mail.yahoo.com>

Hello Everyone,
For those of you who collect aeronautical radios, this 22 page 1960 ARC catalog may be of ?interest. ?http://bunkerofdoom.com/lit/ARC_1960_cat.pdf--
Regards,
Jerry Proc
E-mail: jerry7proc at yahoo.com

From arc5 at ix.netcom.com Sun Feb 8 15:50:08 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 8 Feb 2015 14:50:08 -0600

Subject: [BoatAnchors] BC-375: A Monkey Wrench.
Message-ID: <57AFDA5856374292947DCA663C3F58EF@DaddyPC>

Alas alas- I tried to repeat my earlier results and was not able to do so, but there's a hitch. My battery charger appears to be rolling-over. The primary voltage is sagging during key-down, so the dyno is losing momentum and B+ is sagging along with it, which is masking any OSC results. Now I don't know what I was seeing and all my results should be discarded until I can record new data. I have another 40-amp charger I'll be installing in the next day or three, then try again.

More later- still doing "honey-do's"

73 Dave S.

From smithab11 at comcast.net Sun Feb 8 21:30:26 2015
From: smithab11 at comcast.net (B. Smith)
Date: Sun, 08 Feb 2015 21:30:26 -0500
Subject: [BoatAnchors] FT-154 Rear Connector and Housing needed. (BC-348 Mount)
Message-ID: <54D81BC2.8050806@comcast.net>

Wanted the 8 pin female connector and housing assembly for the BC-348 mount(FT-154).
<http://k4che.com/FT154conn/FT154Conn.htm>
k4che

From jgillespie at porchlight.ca Fri Feb 13 10:16:46 2015
From: jgillespie at porchlight.ca (J Gillespie)
Date: Fri, 13 Feb 2015 10:16:46 -0500
Subject: [BoatAnchors] Gerald Wells Valveman
Message-ID: <06358B6BF35D497683C04B0CD30E00BB@xpuser716b2b38>

Thought our members might find this documentary very interesting. Its about Gerald Wells in London England who was obsessed with radio from an early age about 7 until he passed at 85. Runs about 45 minutes and is absolutely fascinating to watch.

<http://www.bvwtm.org.uk/valveman/> or if that doesn't work try <http://documentaryheaven.com/valveman/>

From arc5 at ix.netcom.com Sun Feb 15 11:09:37 2015
From: arc5 at ix.netcom.com (David Stinson)

Date: Sun, 15 Feb 2015 10:09:37 -0600
Subject: [BoatAnchors] Man, That's One HEAVY Radio!
Message-ID: <F26AD368F8934672A12C9C9034B41E7F@DaddyPC>

Who would have thought an RCA AR-88
would be so heavy??

From ddillman at igc.org Sun Feb 15 11:15:06 2015
From: ddillman at igc.org (Richard Dillman)
Date: Sun, 15 Feb 2015 08:15:06 -0800 (GMT-08:00)
Subject: [BoatAnchors] Man, That's One HEAVY Radio!
Message-ID: <30000346.1424016906526.JavaMail.root@mswamui-
valley.atl.sa.earthlink.net>

>Who would have thought an RCA AR-88
>would be so heavy??

Well... me for one. Of all the receivers we have at the MRHS the AR-88LF gets the
nod for the heaviest per cubic volume. It's all steel. It's usually one of the
receivers we use when we take the KSK/K6KPH show on the road and it gets heavier
each time we lift it.

RD

=====
Richard Dillman, T2-GB-061170
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From k1lky68 at gmail.com Sun Feb 15 15:34:38 2015
From: k1lky68 at gmail.com (Roy Morgan)
Date: Sun, 15 Feb 2015 15:34:38 -0500
Subject: [BoatAnchors] Gerald Wells Valveman
In-Reply-To: <06358B6BF35D497683C04B0CD30E00BB@xpuser716b2b38>
References: <06358B6BF35D497683C04B0CD30E00BB@xpuser716b2b38>
Message-ID: <490ADC10-480A-414F-8AC7-9C6FFB88BA6B@gmail.com>

On Feb 13, 2015, at 10:16 AM, J Gillespie via BoatAnchors <boatanchors at
theporch.com> wrote:

> ? documentary...about Gerald Wells in London England who was obsessed with radio

from an early age about 7 until he passed at 85. ...

>

> <http://www.bvwtm.org.uk/valveman/> or if that doesn't work try <http://documentaryheaven.com/valveman/>

J,

I just watched the documentary about Gerald Wells. I can *really* identify with him. I hope his museum and collections are well cared for and well attended still.

This is the quote I like the best:

?I?m a rather useful engineer ? who?s got a few things.?

Roy

Roy Morgan
RoyMorgan at alum.mit.edu
K1LK Y Since 1958

From arc5 at ix.netcom.com Mon Feb 16 14:34:33 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Mon, 16 Feb 2015 13:34:33 -0600
Subject: [BoatAnchors] RCA AR-88 Cabinet
Message-ID: <80BCCC1487444B90BDEBC4284A261239@DaddyPC>

Re: the AR-88.

Some dummy left this receiver on its side in a wet basement.
It obviously sat in about an inch of water for a long time.
Leaving radios in a wet basement
should be punishable by flogging.
The chassis and circuits were saved by a thick coat of MFP.
They're in decent, recoverable shape.
The cabinet is very heavily rusted.
Here's the first of what will surely be many questions:
The cabinet is heavy- about 10-15 lbs. It fits the receiver
like a glove. It has the side louvers. But it does NOT have
the hinged lid on the top- it's solid.
I can have the cabinet sand-blasted and repair any rust-
through with Bondo before painting, but don't want to
spend time and money on a non-original cabinet.
Has anyone ever seen an AR-88 cabinet
without a hinged top?

73 DE Dave AB5S

From kd5byb at kd5byb.net Tue Feb 17 13:04:44 2015
From: kd5byb at kd5byb.net (Ben Hall)
Date: Tue, 17 Feb 2015 12:04:44 -0600
Subject: [BoatAnchors] BC-1206-B
Message-ID: <54E382BC.8020506@kd5byb.net>

Good afternoon all,

Spent a couple of hours over the past few days getting a BC-1206-B working again. The BC-1206-B is a 200 to 400 kc radio using octal tubes where both the filaments and B+ run off of 28 volts DC. It is a tiny little thing by BA standards - about five inches tall, five inches wide, and maybe 6 inches deep. It is also unusual because it uses two 25L6 tubes in parallel for the audio output.

The first order of business was to undo the poorly-done mods done by the previous owner. Best I can tell, he had converted the filaments to 6.3V and separated the B+ so he could use a separate B+ source. I have no idea how he was feeding the 25 VDC needed by the pair of 25L6's. After the mods were removed, the filament wiring was redone back to 28 VDC as was the B+ wiring.

At this point, I applied power, a pair of 600 ohm Telex phones (appropriately, they are aviation headphones!), and it worked. Stations were weak, but present.

Poking around, I found a few drifted-high resistors and replaced them. Things improved a bit more.

Then, I replaced four of the infamous Micamold capacitors. All were leaky, but not horribly so. This improved things tremendously.

After an alignment per the manual, it hears all of the usual close-by NDB's as well as the usual DGPS stations up above 300 kc. It would have worked well listening for NDB's in an aircraft.

The only problem I have to sort out now is the volume pot is messed up.

For the first 70% of its rotation, it has no effect and the volume in the headsets is non-existent. Between 70% and 75%, the volume increases quickly! Past 75%, the volume level is painfully loud. The set was dropped on the volume pot at one point in its life as the front panel around the pot knob is bent in a little. So, I'm positive something is goofy inside that pot. Deoxit didn't help at all. The pot has the power switch on the rear, so it isn't a simple replacement. :(

thanks much and 73,
ben, kd5byb

From spr at earthlink.net Tue Feb 17 13:20:21 2015
From: spr at earthlink.net (Scott Robinson)
Date: Tue, 17 Feb 2015 10:20:21 -0800
Subject: [BoatAnchors] BC-1206-B
In-Reply-To: <54E382BC.8020506@kd5byb.net>
References: <54E382BC.8020506@kd5byb.net>
Message-ID: <54E38665.2050906@earthlink.net>

Hi Ben,

Sometimes you can repair broken volume control tracks with silver conductive paint at the edges. It's expensive, but, as the saying goes, "A little dab'll do ya."

/scott

On 2/17/15 10:04 AM, Ben Hall via BoatAnchors wrote:

> Good afternoon all,
>
> Spent a couple of hours over the past few days getting a BC-1206-B
> working again. The BC-1206-B is a 200 to 400 kc radio using octal tubes
> where both the filaments and B+ run off of 28 volts DC. It is a tiny
> little thing by BA standards - about five inches tall, five inches wide,
> and maybe 6 inches deep. It is also unusual because it uses two 25L6
> tubes in parallel for the audio output.
>
> The first order of business was to undo the poorly-done mods done by the
> previous owner. Best I can tell, he had converted the filaments to 6.3V
> and separated the B+ so he could use a separate B+ source. I have no
> idea how he was feeding the 25 VDC needed by the pair of 25L6's. After
> the mods were removed, the filament wiring was redone back to 28 VDC as
> was the B+ wiring.
>
> At this point, I applied power, a pair of 600 ohm Telex phones
> (appropriately, they are aviation headphones!), and it worked. Stations
> were weak, but present.
>
> Poking around, I found a few drifted-high resistors and replaced them.
> Things improved a bit more.
>
> Then, I replaced four of the infamous Micamold capacitors. All were
> leaky, but not horribly so. This improved things tremendously.
>

> After an alignment per the manual, it hears all of the usual close-by
> NDB's as well as the usual DGPS stations up above 300 kc. It would have
> worked well listening for NDB's in an aircraft.
>
> The only problem I have to sort out now is the volume pot is messed up.
> For the first 70% of its rotation, it has no effect and the volume in
> the headsets is non-existent. Between 70% and 75%, the volume increases
> quickly! Past 75%, the volume level is painfully loud. The set was
> dropped on the volume pot at one point in its life as the front panel
> around the pot knob is bent in a little. So, I'm positive something is
> goofy inside that pot. Deoxit didn't help at all. The pot has the
> power switch on the rear, so it isn't a simple replacement. :(
>
> thanks much and 73,
> ben, kd5byb
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From 1oldlens1 at ix.netcom.com Tue Feb 17 13:27:44 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Tue, 17 Feb 2015 10:27:44 -0800
Subject: [BoatAnchors] BC-1206-B
In-Reply-To: <54E38665.2050906@earthlink.net>
References: <54E382BC.8020506@kd5byb.net> <54E38665.2050906@earthlink.net>
Message-ID: <54E38820.3090401@ix.netcom.com>

On 2/17/2015 10:20 AM, Scott Robinson via BoatAnchors wrote:

> Hi Ben,
>
> Sometimes you can repair broken volume control tracks with silver
> conductive paint at the edges. It's expensive, but, as the saying
> goes, "A little dab'll do ya."
>
> /scott

I was able to get this stuff at Radio Shack. A caution: it may
not seem to work at first, it must completely cure to be conductive.
Takes overnight.

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From gumbear at pacbell.net Tue Feb 17 15:38:29 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 17 Feb 2015 12:38:29 -0800
Subject: [BoatAnchors] BC-1206-B
In-Reply-To: <54E382BC.8020506@kd5byb.net>
References: <54E382BC.8020506@kd5byb.net>
Message-ID: <E4BA2EC934834D0E91CA07ED6A76877E@KB6NAX>

>The only problem I have to sort out now is the volume pot is
> messed up.

Ben, it sounds like the pot's phenolic substrate that the element is mounted on was distorted by the blow to the pot's shaft which has caused the element to crack open at some point. No audio getting to the ground end portion of the element. When the wiper crosses the crack you then have a variable resistor instead of a variable voltage divider. Looks like a replacement pot is in order.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From thompson at mindspring.com Wed Feb 18 12:46:25 2015
From: thompson at mindspring.com (Dave Thompson)
Date: Wed, 18 Feb 2015 12:46:25 -0500 (GMT-05:00)
Subject: [BoatAnchors] Need Jim K4CCF's new e-mail address
Message-ID: <18046747.1424281585904.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>

I need the new e-mail address as the one on QRZ and hamcall bounce.

tnx 73 Dave K4JRB

From arc5 at ix.netcom.com Thu Feb 19 08:25:33 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 19 Feb 2015 07:25:33 -0600
Subject: [BoatAnchors] Hallicrafters Chicken Band

Message-ID: <012C5E4E7AFB4D4EBB1BA7D125D415C0@DaddyPC>

I didn't know Hallicrafters did Chicken Band rigs.
<http://kansascity.craigslist.org/ele/4892106355.html>

From arc5 at ix.netcom.com Thu Feb 19 08:30:30 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 19 Feb 2015 07:30:30 -0600
Subject: [BoatAnchors] Hallicrafters Fans:
Message-ID: <E667EC3FDB40423F91896C38381DC2B7@DaddyPC>

This is in St. Louis, MO.
Might fill some holes in your herd or make good projects:
<http://stlouis.craigslist.org/ele/4897376650.html>

From arc5 at ix.netcom.com Thu Feb 19 08:35:09 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 19 Feb 2015 07:35:09 -0600
Subject: [BoatAnchors] Hallicrafters: And This
Message-ID: <04FA3C0F9A1E42488D0965C56A3E391C@DaddyPC>

More Halli stuff in St. Louis:
<http://stlouis.craigslist.org/ele/4897465085.html>
<http://stlouis.craigslist.org/ele/4897435390.html>
<http://stlouis.craigslist.org/ele/4897416956.html>

From arc5 at ix.netcom.com Thu Feb 19 08:43:16 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 19 Feb 2015 07:43:16 -0600
Subject: [BoatAnchors] Santa Fe, NM Ham Estate Sale
Message-ID: <00B2E58B94B64F1EB3C583390027E5A5@DaddyPC>

I don't have "a dog in the fight."
Just passing this along for those interested:
<http://santafe.craigslist.org/gms/4895997637.html>

From franklin6209 at att.net Sat Feb 21 12:08:46 2015
From: franklin6209 at att.net (Gary Franklin)
Date: Sat, 21 Feb 2015 12:08:46 -0500
Subject: [BoatAnchors] Ranger 1 Grid Drive
Message-ID: <54E8BB9E.708@att.net>

I am sure there have been many questions about the Ranger 1 and the lack

of grid drive. I have one which seems to be an on/off problem. I get no grid drive in the tune mode. I do have about 15 ma on the buffer and about 25 ma on the oscillator. When I zero the vfo I can hear it in my receiver so that is operating. when I key the transmitter in the tune mode I can hear a signal, it will vary in intensity when I rotate the grid drive control. With all that I get no grid drive indication and of course no output. Changed the 6146 and read about 568 volts on the plate. Any suggestions

Thanks,
Gary, K8BKB

From wb3fau55 at neo.rr.com Sat Feb 21 13:22:05 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sat, 21 Feb 2015 13:22:05 -0500
Subject: [BoatAnchors] Ranger 1 Grid Drive
In-Reply-To: <54E8BB9E.708@att.net>
Message-ID: <20150221182205.3X90S.18897.root@cdptpa-web12>

Gary, I am no Ranger expert, but maybe the driver tube? Russ.
----- Gary Franklin via BoatAnchors <boatanchors at theporch.com> wrote:
> I am sure there have been many questions about the Ranger 1 and the lack
> of grid drive. I have one which seems to be an on/off problem. I get
> no grid drive in the tune mode. I do have about 15 ma on the buffer and
> about 25 ma on the oscillator. When I zero the vfo I can hear it in my
> receiver so that is operating. when I key the transmitter in the tune
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> course no output. Changed the 6146 and read about 568 volts on the
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> Gary, K8BKB
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> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb3fau55 at neo.rr.com Sat Feb 21 18:24:25 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sat, 21 Feb 2015 18:24:25 -0500
Subject: [BoatAnchors] Ranger 1 Grid Drive
In-Reply-To: <54E8BB9E.708@att.net>
Message-ID: <20150221232425.08V4K.22618.root@cdptpa-web12>

Gary, there are few things you can check, yes, the VFO is functioning. It sounds like a bad coupling cap feeding the 6146 grid. Let us know what you find.

73s Russ.

----- Gary Franklin via BoatAnchors <boatanchors at theporch.com> wrote:
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> of grid drive. I have one which seems to be an on/off problem. I get
> no grid drive in the tune mode. I do have about 15 ma on the buffer and
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> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From wwatson5 at sbcglobal.net Fri Feb 27 19:28:06 2015
From: wwatson5 at sbcglobal.net (William Watson)
Date: Fri, 27 Feb 2015 16:28:06 -0800
Subject: [BoatAnchors] Looking for bottom cover for SX-28 (non-A)
Message-ID: <1425083286.36539.YahooMailNeo@web181202.mail.ne1.yahoo.com>

I realize this is a long shot, but does anybody have an extra bottom cover for an SX-28 (non-A)?

Thanks. If so, give me a price for shipping to Oklahoma City.

Joe
W5WBR

From 4cx250b at miamioh.edu Sat Feb 28 13:16:55 2015
From: 4cx250b at miamioh.edu (Jim Garland)
Date: Sat, 28 Feb 2015 11:16:55 -0700
Subject: [BoatAnchors] Drake R4C PT0 Question
Message-ID: <047c01d05382\$bc64a230\$352de690\$@miamioh.edu>

I'm restoring an R4C I picked up at a recent estate sale. I've got the radio working finally (three bad 6HS6s - which I replaced with 6AH6s, - and a bad 6BA6, plus a loose connection and totally screwed up alignment) and now need

to get rid of the backlash in the PT0.

I know there's an allen wrench access hole in the rear of the PT0 compartment, but don't know what size allen wrench to use. I've been unable to get a 1/8 in wrench into the adjustment hole, and wonder if I'm using the right size? I've done this several times before and never had any trouble, but possibly I was using a different size allen wrench.

Also, I've not been able yet to slide the cover off the PT0. Any suggestions? I've tried using a screwdriver to pry the clips, but that doesn't seem to work. Thanks!

73,

Jim W8ZR

From w9ac at arrl.net Sat Feb 28 13:26:48 2015
From: w9ac at arrl.net (Paul Christensen)
Date: Sat, 28 Feb 2015 13:26:48 -0500
Subject: [BoatAnchors] Drake R4C PT0 Question
In-Reply-To: <047c01d05382\$bc64a230\$352de690\$miamioh.edu>
References: <047c01d05382\$bc64a230\$352de690\$miamioh.edu>
Message-ID: <D11771D8.A9D4%w9ac@arrl.net>

Jim,

In the past, I've used this information as a PT0 service guide. These pages address hex wrench size, cover removal, etc.

<http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/PT0-Repair.htm>

<http://www.zerobeat.net/drakelist/drakemod/drmod31.html>

Paul, W9AC

-----Original Message-----

From: Jim Garland via BoatAnchors <boatanchors at theporch.com>
Reply-To: Jim Garland <4cx250b at miamioh.edu>
Date: Saturday, February 28, 2015 at 1:16 PM
To: <boatanchors at theporch.com>
Subject: [BoatAnchors] Drake R4C PT0 Question

I'm restoring an R4C I picked up at a recent estate sale. I've got the radio working finally (three bad 6HS6s - which I replaced with 6AH6s, - and a bad

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73,

Jim W8ZR

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From k4oah at mindspring.com Sat Feb 28 13:44:47 2015
From: k4oah at mindspring.com (Garey Barrell)
Date: Sat, 28 Feb 2015 13:44:47 -0500
Subject: [BoatAnchors] Drake R4C PT0 Question
In-Reply-To: <047c01d05382\$bc64a230\$352de690\$miamioh.edu>
References: <047c01d05382\$bc64a230\$352de690\$miamioh.edu>
Message-ID: <54F20C9F.2080307@mindspring.com>

Hi Jim -

The rear adjustment doesn't have any effect on 'backlash', rather it is to take out any side-to-side play in Main Tuning. The wrench is 3/32"

Backlash is most likely a hardened 'clutch' plastic behind the Main Tuning knob plate. The C-Line used a fairly hard, gray plastic tube here rather than the softer rubber used in earlier versions. A short piece of 3/8" id surgical tubing or auto fuel line, cut with square ends, works much better and will take care of any backlash. Press in slightly on the

Main Tuning knob

and tighten the set screw. A quick fix that sometimes works is to roughen up each end of the existing tube with sandpaper.

I release the clips with a pair of very small slip-joint pliers. They allow me to carefully squeeze the two prongs together enough to release one side at a time. I've never had it happen, but I suspect if you squeeze too hard those clips will break!

73, Garey - K40AH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

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> working finally (three bad 6HS6s - which I replaced with 6AH6s, - and a bad
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>
> 73,
>
> Jim W8ZR
>
>